

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (cancelled).
Claim 2 (cancelled).
Claim 3 (cancelled).
Claim 4 (cancelled).
Claim 5 (cancelled).
Claim 6 (cancelled).
Claim 7 (cancelled).
Claim 8 (cancelled).
Claim 9 (cancelled).
Claim 10 (cancelled).
Claim 11 (cancelled).
Claim 12 (cancelled).
Claim 13 (cancelled).
Claim 14 (cancelled).
Claim 15 (cancelled).
Claim 16 (cancelled).
Claim 17 (cancelled).
Claim 18 (cancelled).
Claim 19 (cancelled).
Claim 20 (cancelled).
Claim 21 (cancelled).
Claim 22 (cancelled).
Claim 23 (cancelled).
Claim 24 (cancelled).

25. (New). A system for recording a vehicle, when using selected roads, comprising:
recording means, said recording means comprising a computer unit, said computer unit comprising a road map memory for storing in digital form a road map data representing selected roads and other roads and areas, so that vehicles on said selected roads being recorded in said road map memory and vehicles on said other roads and areas are not being recorded;

position determining means for determining position of said vehicles and for providing vehicle coordinate signals representing said vehicle coordinates referenced to said road map data;

means on said vehicles for transmitting said coordinate signals to said recording means;

said stored road map data further comprising digital information representing substantially rectangular segments overlying said selected roads represented by said road map data and having lengths oriented substantially in the direction of said selected roads and widths substantially transverse to the directions of said selected roads;

said widths being variable along said selected roads so as to exclude from said segments said other roads and areas in which said vehicles are not being recorded;

means for activating recording of said vehicles preventing said activation before the coordinates represented by said coordinate signal enter one of said substantially rectangular digital segment; and

means for de-activating recording of said vehicles upon said coordinates represented by said coordinate signal leaving said substantially rectangular digital segment.

26. (New). A system as claimed in claim 25, wherein said stored road map data comprises information for subdividing said selected roads into sections, in each said section said digital substantially rectangular segment have the same lengths and widths, while the lengths and widths of different sections can vary.
27. (New). A system as claimed in claim 25, wherein said position determining means comprise a satellite navigation system.
28. (New). A system as claimed in claim 25, wherein said position determining means comprise a bearing-taking system.
29. (New). A system as claimed in claim 25, further comprising means in said vehicles for transmitting an identifying signal for unambiguous identification of said vehicles.
30. (New). A system as claimed in claim 25, further comprising means in said vehicle for transmitting an identifying signal for unambiguous identification of said vehicles, said recording means comprising means for computing toll from the distance of which said vehicle was recorded on said selected roads, and means for associating said computed toll with said identified vehicles.
31. (New). A system as claimed in claim 25, further comprising means for fixing a tolerance range within which activation and de-activation of the recording of said vehicles take place.
32. (New). A system as claimed in claim 25, wherein said digital road map data is provided in the form of a vector data.
33. (New). A method of recording a vehicle when using selected roads comprising the steps of:

storing a road map data representing selected roads and other roads and areas in a digital form in a road map memory of a computer unit, so that vehicles on said selected roads are being recorded and vehicles on said other roads and areas are not being recorded;

determining a position of said vehicles to provide vehicle coordinate signals representing vehicle coordinates referenced to said road map data;

transmitting said coordinate signals from said vehicles to said computer unit;

storing in said road map memory digital information representing substantially rectangular segments overlying said selected roads represented by said road map data and having lengths oriented substantially in the direction of said selected roads and widths oriented substantially transverse to the direction of said selected roads,

said widths being variable along said selected roads, so as to exclude from said segments said other roads and areas in which said vehicles are not being recorded;

activating recording of said vehicles substantially after the coordinates represented by said coordinate signals enter one of said digital substantially rectangular segments; and

de-activating recording of said vehicles upon said coordinates represented by said coordinate signals leaving said digital substantially rectangular segments.

- 34. (New).** A method as claimed in claim 33, further comprising the step of transmitting from said vehicle an identifying signal for unambiguous identification of said vehicle.